

IN THE CLAIMS:

Claim 1 (Currently Amended): A method for pushing a transaction request from an remote electronic transaction system running an xAgent to a portable electronic authorization device (PEAD) carried by a user for an electronic ~~confirmation~~ approval the remote and transaction system storing a user's public key for use in the public key decryption of the electronic approval, comprising steps of:

pushing a transaction request from the xAgent running at the remote electronic transaction system triggered by a pre-determined event to the PEAD;

receiving at the portable electronic authorization device first digital data representing the transaction request;

providing information to the user regarding an ability to approve or modify the transaction request;

performing approval and encryption of the transaction ~~approval~~ request solely within the PEAD utilizing a private key stored within the PEAD without transmission of the private key to the remote electronic transaction system or entry of the private key by the user to the PEAD; and

when the transaction request is approved by the user, ~~receiving at~~ transmitting to the electronic transaction system second digital data representing the ~~electronic confirmation approval~~ of the transaction request for decryption utilizing the user's public key,

wherein the receiving step is performed via a wireless communication port associated with the portable electronic authorization device.

Claim 2 (Previously Presented): The method of claim 1, wherein:

the pre-determined event is at least one of a stock price rising above a pre-determined percentage and a stock price falling below a pre-determined percentage.

Claim 3 (Previously Presented): The method of claim 1, wherein:

the pre-determined event is an auction bidding price rising above user-defined price.

Claim 4 (Previously Presented): The method of claim 1, wherein:
the pre-determined event is a delivery.

Claim 5-6 (Cancelled)

Claim 7 (Currently Amended): A portable electronic authorization device (PEAD) for approving a transaction request from a point-of-sale system, the point-of-sale system storing a user's public key for use in the public key decryption of the electronic approval, comprising:

- a transceiver in the portable electronic authorization device configured to receive first digital data representing the transaction request pushed from an xAgent running on the point-of-sale system;

- a display configured to provide information to the user regarding an ability to approve or modify the transaction request;

- a scanner configured to scan at least one of bar-code or OCR information; and
- a downloadable transaction program to enable the portable electronic authorization device to perform a approve or modify the transaction request;

wherein the transceiver is further configured such that when the transaction request is approved by the user, the transceiver is configured to transmit second digital data representing the electronic ~~confirmation~~ approval of the transaction request to the point-of-sale system for decryption utilizing the user's public key, the transceiver being configured to perform the approval and encrypt[[ing]] the transaction approval being included within the PEAD and utilizing a private key stored within the PEAD without transmission of the private key to the remote electronic transaction system or entry of the private key by the user to the PEAD.

Claim 8 (Previously Presented): The portable electronic authorization device of claim 7, wherein:

the scanner is configured to scan in barcode information to establish a communications link between the portable electronic authorization device and a Point-of-Sale terminal.

Claim 9 (Previously Presented): The portable electronic authorization device of claim 7, wherein:

the scanner is at least one of a barcode or an OCR scanner.

Claim 10 (Previously Presented): The portable electronic authorization device of claim 7, wherein:

the transceiver is at least one of an infrared, a Bluetooth or a wireless receiver.

Claim 11 (Previously Presented): The portable electronic authorization device of claim 8, wherein:

the scanner is configured to scan in barcode product information for self-checkout.

Claim 12 (Cancelled)

Claim 13 (Currently Amended): A method for xAgent automatic ordering from a remote merchant server using a portable electronic authorization device carried by a user, the remote merchant server storing a user's public key for use in the public key decryption of the electronic approval comprising the steps of:

entering product information at the portable electronic authorization device;
accumulating the product information by an xAgent running on the portable electronic authorization device;

triggering xAgent automatic ordering upon user pre-defined event by pushing a transaction request from the xAgent running on the portable electronic authorization device to the remote merchant server;

receiving at the portable electronic authorization device a first digital data representing the transaction request from the remote merchant server;

providing information to the user regarding an ability to approve the transaction request;

when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item performing approval and encryption of the transaction approval within the PEAD utilizing a private key stored within the PEAD without transmission of the private key to the remote ~~electronic transaction system~~ merchant server or entry of the private key by the user to the PEAD; and

transmitting the second digital data to the ~~electronic transaction system~~ remote merchant server to approve the transaction request ~~with the electronic transaction system~~ the second digital data being decrypted using the public key.

Claim 14 (Previously Presented): The method of claim 13, wherein the user pre-defined event can be at least one of a total order exceeding a pre-defined amount of dollars, an end of a week occurring wherein the xAgent places orders accumulated during the week, and a bargaining price set by the user being found.

Claim 15 (Original): The method of claim 13, wherein

the step of entering the product information includes using the keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

Claim 16 (Previously Presented): The method of claim 13, wherein:

the step of entering the product information includes using a scanner in the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

Claim 17 (Cancelled)

Claim 18 (Currently Amended): A method for self-checkout between an electronic point of sale transaction system and a portable electronic authorization device (PEAD) carried

by a user the electronic point-of-sale transaction device storing a user's public key for use in the public key decryption of the electronic approval, comprising the steps of:

- entering product information at the portable electronic authorization device;
- establishing communication link between the electronic point of sale transaction terminal and the portable electronic authorization device;
- pushing a transaction request from the xAgent running at the remote electronic transaction system triggered by a pre-determined event;
- receiving at the portable electronic authorization device a first digital data representing the transaction request;
- providing information to the user regarding an ability to approve the transaction request;

- performing approval of the transaction request solely within the PEAD

- when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item utilizing a private key stored within the PEAD without transmission of the private key to the remote electronic transaction system or entry of the private key by the user to the PEAD; and

- transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system performing approval and encryption of the transaction approval utilizing the public key within the PEAD; and
- printing a receipt at a remote printer.

Claim 19 (Original): The method of claim 18, wherein:

- the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key.

Claim 20 (Original): The method of claim 18, wherein:

- the step of entering the product information includes using a keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

Claim 21 (Original): The method of claim 18, wherein:

the step of entering the product information includes using a scanner of the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

Claim 22 (Original): The method of claim 18, wherein:

the step of printing the receipt step includes establishing a connection between the portable electronic authorization device and the printer.

Claim 23 (Original): The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering printer identification information into the portable electronic authorization device.

Claim 24 (Original): The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering subscriber identification information into the printer.

Claim 25 (Original): The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is via infrared.

Claim 26 (Original): The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is via short range RF.

Claim 27 (Previously Presented): The method of claim 1, wherein the approval is carried out based on user identification data saved entirely within the PEAD.

Claim 28 (Previously Presented): The method of claim 1 wherein the encryption is conducted utilizing the user's private key.